

10/594224
IAP01 Rec'd PCT/PTO 25 SEP 2006

Translation of the pertinent portions of a Request for the Payment of Additional Fees according to Article 17(3)a and Rule 40.1 PCT, mailed 10/21/2005.

1. The International Search Authority

- i) has determined that the international application encompasses 20 inventions, which are summarized in the claims listed on the attached sheet:

and has determined that the **international application does not meet the requirement for unity of the invention** (Rule 13.1, 13.2 and 13.3), and for the reasons indicated on the supplemental sheet:

[Handwritten toward right margin: "Fee for E3, E14, E16, 11/15/05" and Initialed]

- ii) has performed an international partial search (see attachment)

for the portions of the international application that relate to the invention first mentioned in claim numbers 1, 2, 6, 7, 92-94.

- iii) will prepare the International Search Report for the remaining portions of the international application only to the extent that the additional fees are remitted.

2. The applicant is **requested** to remit the following amount by ONE MONTH after the date this request was sent (10/21/2005):

EUR 1,550.00 x 19 = EUR 29,450.

The International Search Authority has determined that this international application contains multiple (groups of) inventions, namely:

[This list of the groups of inventions are translated in WO 2005/092613 A3. The following translation begins near the top of page 3 of 6 ("Seite 3 von 6 noted in the bottom right-hand corner of page)]

1

The single general idea (same or related characterizing features) among the independent claims 1-5 is *a priori* a printing machine having at least one machine element that can be adjusted with a correcting element, having a detection device, and having a control device. However this general idea is not novel (see below).

Therefore no single, general, novel idea exists among the independent claims 1-5.

2

The present invention does not fulfill the requirements of Article 33(1) PCT, since the object of claim 1 is not novel as defined by Article 33(2) PCT.

2.1

The document D1-US5546861 discloses (references in parentheses refer to this document): A printing machine having at least one machine element (28) that can be adjusted with a correcting element (implicit), wherein an adjustment of the at least one machine element (28) affects a quality of a printing performed by the printing machine, wherein an optical detection device (20) having a sensor directed toward a surface of a printing substrate printed on in the printing machine detects the quality of the printing during the transport of the printing substrate through the printing machine, and wherein a control device (26) that receives data from the optical detection device (20) uses the correcting element (implicit) to adjust the at least one machine element (28) based upon a difference between a quality of the printing (column 3, lines 5-10), predetermined as the target value, and the quality of the printing detected as the actual value by the optical detection device (20), in a manner that serves to minimize the difference between the target value and the actual value, wherein the at least one machine element (28) is a temperature-control device (28) for controlling the temperature of at least part of a circumferential surface of a rotational body of the printing machine (abstract), wherein the rotational body is involved in the transport of a printing ink onto the printing substrate that is printed on with the ink in the printing machine (implicit).

2.2

Thus the preamble to claims 1-5 is not novel (Article 33(1), (2) PCT), and no single common, novel idea exists among the independent claims 1-5.

3

The different inventions/groups of inventions thus are, *a posteriori*:

[Here, the list of groups of inventions already translated in WO2005/092613 A3 is repeated. Translation begins again on page 5 of 6, near the top]

The problems to be solved here are:

- 1 - to improve the precision of the angled register.
- 2 - to be able to adjust the tack value.
- 3 - to improve the interrelation/interaction between the control device, the detection device, the correcting element and the machine element.
- 4 - to more precisely meter the quantity of ink.
- 5 - to improve the temperature-control device.
- 6 - to improve the overall properties/characterizing features (printing couples, drive for the cylinders...) of the printing machine.

- 7 - to improve the properties/characterizing features of the detection device.
- 8 - to improve the properties/characterizing features of the sensors.
- 9 - to better illuminate the printing substrate.
- 10 - to improve the properties/characterizing features of the correcting element.
- 11 - to compensate for fan-out effect.
- 12 - to better process the target value for quality.
- 13 - to improve the properties of the control device.
- 14 - to better control a folding unit.
- 15 - to cut or perforate the printing substrate with a higher degree of precision.
- 16 - to better control or regulate the ribbon register.
- 17 - to change the web length of partial webs.
- 18 - to better characterize the printing substrate.
- 19 - to improve the positioning of the detection device in the printing machine.
- 20 - to improve the servo drive for implementing the radial lift of a roller or a cylinder.

The problems of the twenty inventions/groups of inventions differ from one another, hence a lack of unity exists.

Because the special technical characterizing features are not connected (Rule 13.1 and 13.2 PCT), the different inventions also are not connected. Furthermore, the present invention is not unified.

The application relates to a multitude of inventions or groups of inventions as defined by Rule 13.1 PCT. These have been subdivided as described above. If the applicant pays the additional fees for one (or more) as yet unsearched group(s) of inventions, the additional search(es) could uncover a further prior art that could establish a further lack of unity '*a posteriori*' within a (or several of the) as yet unsearched group(s). In that case only the first invention within (each of) this (these) group(s) of inventions, for which a lack of unity of the inventions has been established, will become the object of a search. No further request for payment of additional fees will be issued. The reason for this is that Article 17(3) PCT establishes that the ISA shall prepare the International Search Report for those portions of the international application that relate to the invention first mentioned in the claims ('main invention') and for the portions that relate to the inventions for which additional fees have been remitted. Neither the PCT agreement nor the PCT guidelines establish legal grounds for further requests for payment of additional search fees (W17/00, Point 11 and W1/97, Items 11-16).